



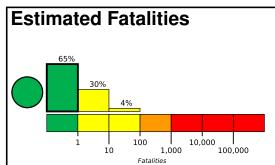


### M 4.1, 1 km W of Lytle Creek, CA

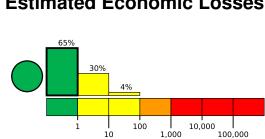
Origin Time: 2024-01-05 18:55:53 UTC (Fri 10:55:53 local) Location: 34.2713° N 117.5016° W Depth: 10.0 km

**PAGER** Version 2

Created: 2 hours, 6 minutes after earthquake



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage.



Estimated Population Exposed to Earthquake Shaking

117.2°W

Ridgecrest

ESTIMATED POPULATION EXPOSURE (k=x1000)		2,281k*	23,775k	892k	1k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

#### Population Exposure

118.6°W

population per 1 sq. km from Landscan 5000

115.9

#### **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

## **Historical Earthquakes**

Selected City Exposure

from GeoNames.org MMI City

Fontana

Oak Hills

Rialto

Colton

**Pedley** 

Glen Avon

Long Beach

Los Angeles

IV

IV

IV

IV

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Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1991-06-28	46	5.6	VI(1,267k)	1
2003-12-22	358	6.6	VI(8k)	2
1971-02-09	82	6.6	IX(21k)	65

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

# Fort Irwin Barstow Heigi ts /ictorville Santa Clarita 33.2°N

## PAGER content is automatically generated, and only considers losses due to structural damage.

San Diego

Mexicali

San Diego

Tiiuana

(k = x1000)

Population

196k

9k

99k

52k

13k

20k

462k

3,793k

1,307k

1.376k

597k

bold cities appear on map. Limitations of input data, shaking estimates, and loss models may add uncertainty. Event ID: ci40455759

https://earthquake.usgs.gov/earthquakes/eventpage/ci40455759#pager